



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application No.	09/915,939
				Filing Date	July 25, 2001
				First Named Inventor	Amit P. Singh
				Art Unit	2661
				Examiner Name	Not Yet Known
Sheet	1	of	1	Attorney Docket Number	22353-04995

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
KM		US-8,100,824	08/08/00	MacLeod et al.
KM		US-5,887,114	02/02/99	Barbir
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		

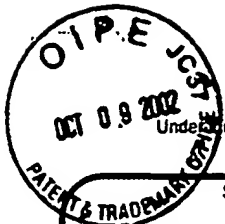
RECEIVED
SEP 08 2002
Technology Center-2600

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁵

Examiner Signature		Date Considered	10/25/05
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application No.	09/915,939
Filing Date	July 25, 2001
First Named Inventor	Amit P. Singh
Art Unit	2661
Examiner Name	not yet known
Attorney Docket Number	22353-04995

Sheet	1	of	1
-------	---	----	---

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
KM		US-5,996,022	11/30/1999	Krueger, et al.
		US-		
		US-		

RECEIVED OCT 11 2002 Technology Center 2600

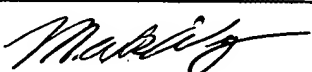
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

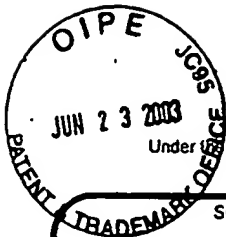
22353/04995/DOCS/1301264.1

Examiner Signature		Date Considered	10/25/05
--------------------	---	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

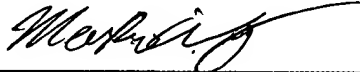
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application No.	09/915,939
				Filing Date	July 25, 2001
				First Named Inventor	Amit P. Singh
				Art Unit	2661
				Examiner Name	Not yet known
Sheet	1	of	1	Attorney Docket Number	22353-04995

U.S. PATENT DOCUMENTS					RECEIVED
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
KM		US-2002/0044553 A1	04/18/2002	Chakravorty	JUN 25 2003 Technology Center 2600
KM		US-6,351,465 B1	02/26/2002	Han	
KM		US-6,339,595 B1	01/15/2002	Rekhter, et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶

22353/04995/DOCS/1358055.1

Examiner Signature		Date Considered	10/25/05
--------------------	---	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	09/915,939
		Filing Date	July 25, 2001
		First Named Inventor	Amit P. Singh
		Art Unit	2664
		Examiner Name	Wellington Chin
		Attorney Docket Number	22353-04995
Sheet	1	of	1



U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
KM		US-6,584,093	08-24-2003	Salama et al.
KM		US-6,498,809	12-24-2002	Dean et al.
KM		US-6,456,209	09-24-2004	Savari
KM		US-5,887,114	02-02-1999	Barbir
KM		US-5,307,413	04-26-1994	Denzer
		US-		
		US-		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ⁶
		OBAIDAT, M.S., et al., "Verification of Computer User Using Keystroke Dynamics," IEEE Transactions on Systems, Man, and Cybernetics – Part B: Cybernetics, vol. 27, no. 2, pp. 261-269, April 1997.		

Examiner Signature		Date Considered	10/28/05
--------------------	--	-----------------	----------

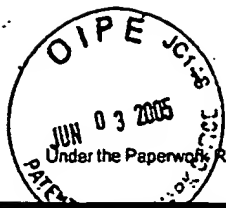
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

22353/04995/DOCS/1473279.1

10/14/04



INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
			Application No.	09/915,939	
			Filing Date	July 25, 2001	
			First Named Inventor	Amit P. Singh	
			Art Unit	2661	
			Examiner Name	Not Yet Known	
Sheet	1	of	1	Attorney Docket Number	22353-04995

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
KM	C1	LIU, Z. et al., "Scalable Robust Efficient Dictionary-Based Compression (SCRIBE), March 22, 2001, [online] [Retrieved on February 21, 2005] Retrieved from the Internet <URL: http://www.watersprings.org/pub/id/draft-liu-rohc-scribe-00.bd >			
	C2	NEVILL-MANNING, C. et al., "Compression And Explanation Using Hierarchical Grammars," The Computer Journal, 1997, pp. 103-116, Vol. 40, No. 2/3.			
	C3	NEVILL-MANNING, C. et al., "Identifying Hierarchical Structure In Sequences: A Linear-Time Algorithm," Journal of Artificial Intelligence Research, September 1997, pp. 67-82, Vol. 7.			
	C4	NEVILL-MANNING, C. et al., "Linear Time, Incremental Hierarchy Inference For Compression," Data Compression Conference, 1997, DCC '97, Proceedings Snowbird, March 25-27 1997, Los Alamitos, CA, USA, IEEE Comput. Soc., March 25, 1997, pp. 3-11.			
	C5	NEVILL-MANNING, C. et al., "Phrase Hierarchy Inference And Compression In Bounded Space," Data Compression Conference, 1998, DCC '98, Proceedings Snowbird, March 1-April 1998, Los Alamitos, CA, USA, IEEE Comput. Soc., March 30, 1998, pp. 179-188.			
	C6	Supplementary European Search Report of European Application No. 01955882.6, February 22, 2005, 3 pages.			

Examiner Signature		Date Considered	10/25/05
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.


22353/04995/DOCS/1521149.1



Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application No.	09/915,939
			Filing Date	July 25, 2001
			First Named Inventor	Amit P. Singh
			Art Unit	2661
			Examiner Name	Not Yet Known
			Attorney Docket Number	22353-04995
Sheet	1	of	1	

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-		
		US-		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
	B1	WO 00/07124	02-10-2000	Cacheflow, Inc.	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶	
Kem	C1	BANGA, G. et al., "Optimistic Deltas For WWW Latency Reduction," 1997 Annual Technical Conference, Usenix Association, 1997, pp. 289-303.		
	C2	CHI, C. et al., "Compression Proxy Server: Design And Implementation," Proceedings Of USITS'99: The 2 nd USENIX Symposium On Internet Technologies & Systems, The Usenix Association, October 11-14, 1999, 13 pages.		
	C3	Communication, EP 01859237.7, June 9, 2005, 5 pages.		
	C4	HEYWOOD, P., "Compression And Routers, Together At Last," International News Analysis, Data Communications, April 24, 1995, pp. 55-56, 61-63, No. 5.		
	C5	NAND, A. et al., "Mail Servers With Embedded Data Compression Mechanism," IEEE, 1998, p. 568.		
	C6	NEVILL-MANNING, C. et al., "Compression And Explanation Using Hierarchical Grammars," The Computer Journal, 1997, pp. 103-116, Vol. 40.		
	C7	SHEU, S. et al., "A Link Level Compression Strategy For High-Speed Backbone ATM Networks," pp. 1-5.		

Examiner Signature		Date Considered	10/26/05
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

22353/04995/DOCS/1542424.1